

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 217139US77		SERIAL NO. 10/023,894	
LIST OF REFERENCES CITED BY APPLICANT <div style="text-align: center; border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; margin: 0 auto; display: flex; flex-direction: column; align-items: center; justify-content: center;">             OIPE              FEB 21 2002              PATENT &amp; TRADEMARK OFFICE           </div>				APPLICANT William M. CANFIELD			
				FILING DATE December 21, 2001		GROUP 1612	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,118,045	09/12/045	REUSER ET AL			
	AB	5,939,279	08/17/99	SMITH			
	AC	5,932,211	08/03/99	WILSON ET AL			
	AD	5,929,036	07/27/99	McEVER			
	AE	5,928,928	07/27/99	AERTS			
	AF	5,919,913	07/06/99	NUYENS ET AL			
	AG	5,919,690	07/06/99	KNAP ET AL			
	AH	5,917,122	06/29/99	BYRNE			
	AI	5,916,911	06/29/99	SHAYMAN EET AL			
	AJ	5,916,870	06/29/99	LEE ET AL			
	AK	5,914,231	06/22/99	HENNINK ET AL			
	AL	5,912,146	06/15/99	NISHIMURA ET AL			
	AM	5,911,704	06/15/99	HUMES			
	AN	5,906,817	05/25/99	MOULLIER ET AL			
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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
CPI	AW	Alan D. Elbein et al, "KIFUNENSINE, A POTENT INHIBITOR OF THE GLYCOPROTEIN PROCESSING MANNOSEDASE I", The Journal of Biological Chemistry, Vol. 265, No. 26, Issue of September 15, pp. 15599-15605, 1990.					
CPI	AX	SLY, "The Missing Link in Lysosomal Enzyme Targeting", The Journal of Clinical Investigation, Vol. 105, No. 5, Pages 563-564, March 2000					
CPI	AY	Raas-Rothschild et al., "Molecular Basis of Variant Pseudo-Hurler Polydystrophy (Mucopolidosis IIIC)", The Journal of Clinical Investigation, Vol, 105, No. 5, pp. 673-681, March 2000					
CPI	AZ	Bao et al., "Bovine Udp-N-Acetylglucosamine: Lysosomal-Enzyme N-Acetylglucosamine-1- Phosphotransferase", The Journal of Biological Chemistry, Vol, 271, No. 49, pp. 31446-31451, December 6, 1996					
Examiner <i>C. Walker</i>					Date Considered 10/17/03		
<small>*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 217139US77		SERIAL NO. 10/023,894	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT William M. CANFIELD			
				FILING DATE DECEMBER 21, 2001		GROUP 1652	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	BA	5,895,833	04/20/99	BERG			
	BB	5,879,937	03/09/99	RONCAROLO			
	BC	5,874,297	02/23/99	WU ET AL			
	BD	5,871,946	02/16/99	LUCAS ET AL			
	BE	5,861,491	01/19/99	NUIJENS ET AL			
	BF	5,858,755	01/12/99	LOWE			
	BG	5,858,744	01/12/00	BAUM ET AL			
	BH	5,858,351	01/12/99	PODSAKOFF ET AL			
	BI	5,854,207	12/29/98	LEE ET AL			
	BJ	5,851,782	12/22/98	HANNUN ET AL			
	BK	5,849,885	12/15/98	NUYENS ET AL			
	BL	5,840,578	11/24/98	DESNICK			
	BM	5,830,916	11/03/98	HANNUM ET AL			
	BN	5,830,860	11/03/98	GELB ET AL			
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	BW	KORNFELD, "Purification and Multimeric Structure of Bovine N-Acetylglucosamine-1-Phosphodiester $\alpha$ -N-Acetylglucosaminidase", The Journal of Biological Chemistry, Vol. 273, No. 36, pp. 23203-23210, September 4, 1998					
	BX	Joan M. MOEHRING et al., "Strains of CHO-K1 Cells Resistant to <i>Pseudomonas</i> Exotoxin A and Cross-Resistant to Diphtheria Toxin and Viruses", Infection and Immunity, Vol 41., No. 3, Sept 1983, pp. 998-1009					
	BY	Maxime LEHMANN et al., "Lack of integrin $\alpha$ -chain endoproteolytic cleavage in furin-deficient human colon adenocarcinoma cells LoVo", Biochem. J. (1996) 317, 803-809					
	BZ	Joseph F. SUCIC et al., "Endoprotease PACE4 is $Ca^{2+}$ -dependent and temperature-sensitive and can partly rescue the phenotype of a furindeficient cell strain", Biochem. J. (1999) 339, pp. 639-647					
Examiner <i>C. Baller</i>					Date Considered 10/17/03		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 203510US77		SERIAL NO. 10/023,890	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT William M. CANFIELD			
				FILING DATE December 21, 2001		GROUP 1652	
U.S. PATENT DOCUMENTS							
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CA	5,830,711	11/03/98	BARANY ET AL				
CB	5,807,943	09/15/98	LEE ET AL				
CC	5,798,448	08/25/98	CARAS ET AL				
CD	5,798,239	08/25/98	WILSON ET AL				
CE	5,792,647	08/11/98	ROSEMAN ET AL				
CF	5,773,236	06/30/98	DIWU ET AL				
CG	5,759,775	06/02/98	CARAS ET AL				
CH	5,750,172	05/12/98	MEADE ET AL				
CI	5,741,957	04/21/98	DEBOER ET AL				
CJ	5,736,360	04/07/98	GAULTON ET AL				
CK	5,728,381	03/17/98	WILSON ET AL				
CL	5,723,585	03/03/98	BAKER ET AL				
CM	5,721,367	02/24/98	KAY ET AL				
CN	5,719,031	02/17/98	HAUGLAND ET AL				
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	CU						
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
CW	Valery M. GORDON et al., "Proteolytic Activation of Bacterial Toxins by Eukaryotic Cells Is Performed by Furin and by Additional Cellular Proteases", Infection and Immunity, Vol. 63, Jan. 1995, pp.82-87						
CX	Noel M. INOCENCIO et al., "Endoprotease Activities Other Than Furin and PACE4 with a Role in Processing of HIV-1 gp160 Glycoproteins in CHO-K1 Cells", JBC Online, Vol. 272, No. 2, January 10, 1997, pp. 1344-1348						
CY	Valery M. GORDON et al., "Proteolytic Activation of Bacterial Toxins by Eukaryotic Cells Is Performed by Furin and by Additional Cellular Proteases", Infection and Immunity, Vol. 63, No. 1, Jan. 1995, pp. 82-87						
CZ	John L. MIDDLEBROOK et al., "Response of cultured mammalian cells to the exotoxins of <i>Pseudomonas aeruginosa</i> and <i>Corynebacterium diphtheriae</i> : differential cytotoxicity", Can. J. Microbiol. Vol. 23, (1997), pp. 183-189						
Examiner <i>C. Miller</i>				Date Considered 10/17/03			
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LIST OF REFERENCES CITED BY APPLICANT				APPLICANT William M. CANFIELD			
				FILING DATE December 21, 2001		GROUP 16.52	
U.S. PATENT DOCUMENTS							
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	DA	5,716,614	02/10/98	KATZ ET AL			
	DB	5,707,865	01/13/98	KOHN ET AL			
	DC	5,704,910	06/06/98	HUMES			
	DD	5,696,001	12/09/97	HABENSTEIN			
	DE	5,693,622	12/02/97	WOLFF ET AL			
	DF	5,691,181	11/25/97	LOWE			
	DG	5,686,240	11/11/97	SCHUCHMAN ET AL			
	DH	5,679,545	10/21/97	BAKER ET AL			
	DI	5,665,366	09/09/97	RAWLINGS ET AL			
	DJ	5,663,254	09/02/97	LEE ET AL			
	DK	5,663,076	09/02/97	ROSTOKER ET AL			
	DL	5,658,567	08/19/97	CALHOUN ET AL			
	DM	5,648,335	07/15/97	LEWIS ET AL			
	DN	5,648,229	07/15/97	HABENSTEIN			
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	DW	Barbara H. IGLEWSKI et al., "Mechanism of Action of <i>Pseudomonas aeruginosa</i> Exotoxin A: Adenosine Diphosphate-Ribosylation of Mammalian Elongation Factor 2 In Vitro and In Vivo", Infection and Immunity, Vol. 15, No. 1, Jan. 1977, pp. 138-144.					
	DX	Ayoubi TA et al., "Production of recombinant proteins in Chinese hamster ovary cells overexpressing the subtilisin-like proprotein converting enzyme furin", NCBI, Mol Biol. Rep 1996:23(2):87-95					
	DY	Valery M. GORDON et al., "A Role for PACE4 in the Proteolytic Activation of Anthrax Toxin Protective Antigen", Infection and Immunity, Vol. 65, No. 8, Aug. 1997 pp. 3370-3375					
	DZ						
Examiner <i>C. Pollock</i>					Date Considered 1/17/03		
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	EA	5,639,939	06/17/97	McCUNE, III			
	EB	5,639,607	06/17/97	DESNICK ET AL			
	EC	5,633,261	05/27/97	DIME			
	ED	5,633,228	05/27/97	LEWIS ET AL			
	EE	5,627,171	05/06/97	PARK ET AL			
	EF	5,627,073	05/06/97	BAKER ET AL			
	EG	5,624,806	04/29/97	BAKER ET AL			
	EH	5,621,106	04/15/97	DIME			
	EI	5,612,206	03/18/97	VALERIO ET AL			
	EJ	5,585,247	12/17/96	HABENSTEIN			
	EK	5,583,160	12/10/96	IGARASHI ET AL			
	EL	5,578,479	11/26/96	LADERMAN ET AL			
	EM	5,576,424	11/19/96	MAO ET AL			
	EN	5,571,893	11/05/96	BAKER ET AL			
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	EZ						
Examiner <i>C. Makela</i>					Date Considered <i>12/11/03</i>		


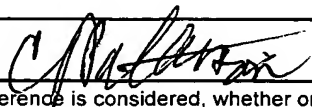
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	FA	5,571,675	11/05/96	BAKER ET AL			
	FB	5,569,648	10/29/96	LEWIS ET AL			
	FC	5,565,362	10/15/96	ROSEN			
	FD	5,554,366	09/10/96	RAWLINGS ET AL			
	FE	5,545,402	08/13/96	WATKINSON			
	FF	5,534,615	07/09/96	BAKER ET AL			
	FG	5,512,471	04/30/96	SMITH			
	FH	5,501,957	03/26/96	DENNIS ET AL			
	FI	5,494,810	02/27/96	BARANY ET AL			
	FJ	5,491,075	02/13/96	DESNICK ET AL			
	FK	5,475,095	12/12/95	MYEROWITZ			
	FL	5,466,809	11/14/95	DIME			
	FM	5,449,604	09/12/95	SHELLENBERG ET AL			
	FN	5,443,988	08/22/95	HAUGHLAND ET AL			
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Examiner <i>C. R. [Signature]</i>					Date Considered 10/12/03		

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U.S. PATENT DOCUMENTS							
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	GA	5,439,935	08/08/95	RAWLINGS ET AL			
	GB	5,433,946	07/18/95	ALLEN, JR. ET AL			
	GC	5,420,112	05/30/95	LEWIS ET AL			
	GD	5,405,751	04/11/95	RONCAROLO			
	GE	5,382,524	01/17/95	DESNICK ET AL			
	GF	5,366,883	11/22/94	ASADA ET AL			
	GG	5,362,628	11/08/94	HAUGLAND			
	GH	5,344,352	09/06/94	HORNE ET AL			
	GI	5,316,906	05/31/94	HAUGLAND ET AL			
	GJ	5,310,646	05/10/94	WHITLEY			
	GK	5,296,365	03/22/94	OVERBEEKE ET EA			
	GL	5,281,394	01/25/94	HOLUB			
	GM	5,260,447	11/09/93	NAKAJIMA ET AL			
	GN	5,242,805	09/07/93	NALEWAY ET AL			
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Examiner <i>C. Hall</i>					Date Considered 10/17/03		

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				FILING DATE December 21, 2002		GROUP 1652	
<b>U.S. PATENT DOCUMENTS</b>							
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HA	5,217,885	01/08/93	MYEROWITZ				
HB	5,208,148	05/04/93	HAUGLAND ET AL				
HC	5,205,917	04/27/93	KLOCK, JR.				
HD	5,179,023	01/12/93	CALHOUN ET AL				
HE	5,166,320	11/24/92	WU ET AL				
HF	5,143,841	09/01/92	HIRABAYSHI ET AL				
HG	5,126,247	06/30/92	PALMER ET AL				
HH	5,089,392	02/18/92	MILLER ET AL				
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HL	5,061,025	10/29/91	MATTES ET AL				
HM	5,060,428	10/29/91	ARTHUR, JR. ET AL				
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				FILING DATE December 21, 2001		GROUP 1652	
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	IA	5,001,072	03/19/91	OLSON			
	IB	4,997,760	03/05/91	HIRABAYASHI ET AL			
	IC	4,987,223	01/22/91	CHOAY ET AL			
	ID	4,986,274	01/22/91	STEPHENS			
	IE	4,981,801	01/01/91	SUZUKI ET AL			
	IF	4,975,441	12/04/90	GIBSON			
	IG	4,866,042	09/12/89	NEUWELT			
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Examiner <i>C. M. Allen</i>					Date Considered 10/17/03		

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LIST OF REFERENCES CITED BY APPLICANT <div style="text-align: center; border: 1px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;">           PIPE            FEB 21 2002            PATENT &amp; TRADEMARK OFFICE         </div>				APPLICANT William M. CANFIELD			
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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	JA	4,496,722	01/29/85	GALLOP ET AL			
	JB	4,492,761	01/08/85	DURACK			
	JC	4,474,770	10/02/84	LORMEAU ET AL			
	JD	4,452,794	06/05/84	KORT ET AL			
	JE	4,433,946	02/28/84	CHRISTIANSON ET AL			
	JF	4,431,737	02/14/84	OLIVIERI ET AL			
	JG	4,401,758	08/30/83	LORMEAU ET AL			
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	JI	4,332,894	06/01/82	WHISTLER			
	JJ	4,328,215	05/04/82	BUEDING			
	JK	4,195,126	12/23/80	HALL			
	JL	4,156,013	03/22/79	BRUINVELS ET AL			
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Examiner <i>C. M. Allen</i>					Date Considered 10/18/03		

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AA	3,966,555	06/29/76	ARNAUD ET AL				
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AC	RE35,770	04/14/98	LORMEAU ET AL				
AD	5,773,278	06/30/98	SCHUCHMAN ET AL				
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AM	5,401,650	03/28/95	DESNICK ET AL				
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William M. CANFIELD, et al

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CP	AS	Ke-Wei ZHAO, et al., "Purification and characterization of human lymphoblast N-acetylglucosamine-1-phosphotransferase", Glycobiology, Vol. 2, no. 2, pp. 119-125, 1992
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☐ Additional References sheet(s) attached

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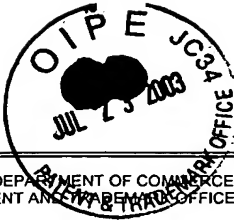
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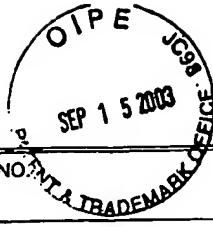
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<i>CY</i>	CY	Shiroh MAGUCHI, et al., "Elevated Activity and Increased Mannose-6-phosphate in the Carbohydrate Moiety of Cathepsin D from Human Hepatoma <sup>1</sup> ", Cancer Research, Vol. 48, pp. 362-367, January 15, 1988
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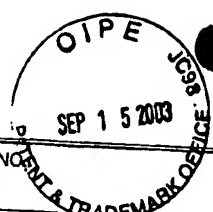
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BZ	

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*CP Hallen*

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